APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/781,593	02/18/2004	James A. Lamb	200304393-6 (2162-18603)	2694

22879 7590 07/31/2007	EXAMINER	
HEWLETT PACKARD COMPANY	LY, NGHI H	
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INTELLECTUAL PROPERTY ADMINISTRATION	ART UNIT	PAPER NUMBER
FORT COLLINS, CO 80527-2400	2617	

MAIL DATE	DELIVERY MODE
07/31/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No.	Applicant(s)
Office Action Summary		10/781,593	LAMB ET AL.
		Examiner	**Art Unit**	
		Nghi H. Ly	2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _3_ MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on _09 April 2007_.

2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) _1-19_ is/are pending in the application.

    4a) Of the above claim(s) _1-3_ is/are withdrawn from consideration.

5) ☐ Claim(s) _____ is/are allowed.

6) ☒ Claim(s) _4-19_ is/are rejected.

7) ☐ Claim(s) _____ is/are objected to.

8) ☒ Claim(s) _1-3_ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.

10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All b) ☐ Some * c) ☐ None of:

      1. ☐ Certified copies of the priority documents have been received.

      2. ☐ Certified copies of the priority documents have been received in Application No. _____.

      3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date _02/18/04_.

4) ☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ .

5) ☐ Notice of Informal Patent Application

6) ☐ Other: _____ .

DETAILED ACTION

Election/Restrictions

1.   Applicant's election of Group II in the reply filed on 04/09/07 is acknowledged.

Because applicant did not distinctly and specifically point out the supposed errors in the

restriction requirement, the election has been treated as an election without traverse

(MPEP § 818.03(a)).

Claim Rejections - 35 USC § 102

2.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3.   Claims 4-19 are rejected under 35 U.S.C. 102(e) as being anticipated by Scott

(US 6,078,805).

Regarding claims 4 and 12, Scott teaches a mobile communications provision

method in a mobile communications system having at least two wireless networks with

different mobile switching center ("MSC") communication protocols (see Abstract and

column 9, lines 20-43), the MSCs in each wireless network being coupled to a universal

location service register (ULSR) having a database of information about all subscribers

registered in one or more of the wireless networks (see column 9, lines 43-62 and

column 29, lines 50-62), wherein the method comprises: tracking for each registered subscriber in the database at least one MSC where that registered subscriber is registered ("a serving MSC") (see column 9, lines 43-62 and column 29, lines 50-62), receiving a routing number request associated with a registered subscriber (see column 23, lines 45-62), and providing a routing number in response to the routing number request (see column 3, line 60 to column 4, line 6, column 22, lines 58-64 and column 23, lines 45-62).

Regarding claim 5, Scott teaches determining a serving MSC for the registered subscriber associated with the routing number request (see column 9, lines 43-62, column 29, lines 50-62, and see column 3, line 60 to column 4, line 6, column 22, lines 58-64 and column 23, lines 45-62), sending a routing number request to the serving MSC (see column 9, lines 43-62, column 29, lines 50-62, and see column 3, line 60 to column 4, line 6, column 22, lines 58-64 and column 23, lines 45-62), and receiving a routing number from the serving MSC (see column 9, lines 43-62, column 29, lines 50-62, and see column 3, line 60 to column 4, line 6, column 22, lines 58-64 and column 23, lines 45-62).

Regarding claim 6, Scott teaches selecting a serving MSC from a plurality of serving MSCs where the registered subscriber is simultaneously registered (see column 9, lines 43-62, column 29, lines 50-62).

Regarding claim 7, Scott teaches determining a preferred serving MSC from a user profile associated with the registered subscriber (see column 9, lines 43-62 and column 29, lines 50-62).

Regarding claim 8, Scott teaches translating the routing number request into a

MSC communications protocol associated with the serving MSC (see column 3, line 60

to column 4, line 6, column 22, lines 58-64 and column 23, lines 45-62).

Regarding claim 9, Scott teaches a mobile communications provision method in

a mobile communications system having at least two wireless networks with different

mobile switching center ("MSC") communication protocols (see Abstract and column 9,

lines 20-43), the MSCs in each wireless network being coupled to a universal location

service register (ULSR) having a database of information about all subscribers

registered in one or more of the wireless networks (see column 9, lines 43-62 and

column 29, lines 50-62), wherein the method comprises: receiving from a MSC a

registration request associated with a subscriber (see column 9, lines 43-62 and column

29, lines 50-62), retrieving a user profile for the subscriber (see column 9, lines 43-62

and column 29, lines 50-62), refusing the registration request if the user profile indicates

that the subscriber is not authorized to register with the MSC (see column 4, lines 37-

67, column 5, lines 9-15, column 9, lines 21-26, column 12,lins 35-48 and column 14,

lines 20-39), and sending the user profile to the MSC if the user profile indicates that the

subscriber is authorized to register with the MSC (see column 4, lines 37-67, column 5,

lines 9-15, column 9, lines 21-26, column 12,lins 35-48 and column 14, lines 20-39).

Regarding claim 10, Scott teaches if the user profile indicates that the subscriber

is authorized to register with the MSC (see column 4, lines 37-67, column 5, lines 9-15,

column 9, lines 21-26, column 12,lins 35-48 and column 14, lines 20-39), updating the

database to indicate that the subscriber is registered with the MSC (see column 4, lines

37-67, column 5, lines 9-15, column 9, lines 21-26, column 12,lins 35-48 and column

14, lines 20-39).

Regarding claim 11, Scott teaches determining whether the subscriber can be

concurrently registered in multiple networks; and issuing a registration cancellation to

any other MSCs where the subscriber is registered if the subscriber cannot be

concurrently registered in multiple networks (see column 4, lines 37-67, column 5, lines

9-15, column 9, lines 21-26, column 12,lins 35-48 and column 14, lines 20-39).

Regarding claim 13, Scott teaches the ULSR is configured to track for each said

subscriber at least one MSC where that subscriber is registered ("a serving MSC") (see

column 9, lines 43-62 and column 29, lines 50-62).

Regarding claim 14, Scott teaches the ULSR is further configured to: receive a

routing number request associated with a subscriber; determine a serving MSC for the

subscriber associated with the routing number request (see column 3, line 60 to column

4, line 6, column 22, lines 58-64 and column 23, lines 45-62), send a routing number

request to the serving MSC; receive a routing number from the serving MSC (see

column 3, line 60 to column 4, line 6, column 22, lines 58-64 and column 23, lines 45-

62), and provide the routing number in response to the original routing number

request (see column 3, line 60 to column 4, line 6, column 22, lines 58-64 and column

23, lines 45-62).

Regarding claim 15, Scott teaches as part of determining a serving MSC (see

Abstract and column 9, lines 20-43), the ULSR is configured to select a serving MSC

from a plurality of serving MSCs where the registered subscriber is concurrently

registered (see column 9, lines 43-62 and column 29, lines 50-62).

Regarding claim 16, Scott teaches the ULSR is further configured to translate the

routing number request between different MSC communication protocols (see column 3,

line 60 to column 4, line 6, column 22, lines 58-64 and column 23, lines 45-62).

Regarding claim 17, Scott teaches the ULSR is configured to: receive from a

MSC a registration request associated with a subscriber (see column 9, lines 43-62 and

column 29, lines 50-62), retrieve a user profile for the subscriber (see column 9, lines

43-62 and column 29, lines 50-62), refuse the registration request if the user profile

indicates that the subscriber is not authorized to register with the requesting MSC (see

column 4, lines 37-67, column 5, lines 9-15, column 9, lines 21-26, column 12,lins 35-48

and column 14, lines 20-39), and send the user profile to the requesting MSC if the user

profile indicates that the subscriber is authorized to register with the requesting MSC

(see column 4, lines 37-67, column 5, lines 9-15, column 9, lines 21-26, column 12,lins

35-48 and column 14, lines 20-39).

Regarding claim 18, Scott teaches the ULSR is further configured to update the

database to indicate that the subscriber is registered with the requesting MSC (see

column 9, lines 43-62 and column 29, lines 50-62).

Regarding claim 19, Scott teaches the ULSR is further configured

to: determine whether the subscriber can be concurrently registered in

multiple networks (see column 9, lines 43-62 and column 29, lines 50-62), and issue a

registration cancellation to any MSCs (other than the requesting MSC) where the

subscriber is registered if the subscriber cannot be concurrently registered in multiple

networks (see column 4, lines 37-67, column 5, lines 9-15, column 9, lines 21-26,

column 12,lins 35-48 and column 14, lines 20-39).

Conclusion

4.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Nghi H. Ly whose telephone number is (571) 272-7911.

The examiner can normally be reached on 9:30am-8:00pm Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Charles Appiah can be reached on (571) 272-7904. The fax phone number

for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Nghi H. Ly